

MULTIMEDIA



UNIVERSITY

STUDENT IDENTIFICATION NO

--	--	--	--	--	--	--	--	--	--

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2021/2022

BAC4624 – ADVANCED ACCOUNTING INFORMATION SYSTEMS

(All Sections / Groups)

23rd April 2022
9.00 a.m – 12.00 p.m
(3 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 3 pages excluding cover page with 4 Questions only.
2. Answer all **FOUR** questions. Mark distribution for each question is given.
3. Please write all your answers in the Answer Booklet provided.

QUESTION 1

Catalina Nursery specialises in selling orchids to local florists since 2011 and it opens every day except for public holidays. The nursery is located in Sungai Buloh, Selangor and able to receive a maximum of 200 customers at all time. Currently, all customers prefer to come to the nursery to choose the specific type of orchid they want to purchase. The following is the flow for the customer booking process:

Once the customers have finalised their orchid choices, they will fill up the customer booking form and submit it to Amy (front desk clerk). When Amy receives all the forms, she will key in customers' details in the Customer Master File and send all the booking forms to Jonathan.

Jonathan is in charge of processing all of the customer bookings. In order to do this, he retrieves data from three files. The first file is the Orchid Master file, which contains the list of all orchid collections that exist in Catalina Nursery. The second file is the Available Inventory file, which contain the current inventory of all orchids. The third file is the Customer Master File, which contain the customers' details. Once he retrieves all the data required, he will key in the customers' bookings such as the type of orchids customers are interested to book and the respective quantity. Once all of these are completed, he will print the customer order slip and send these slips to Michael.

Michael is the Sales Supervisor who will be responsible to print the invoices based on the data in the customer order slip. In order to complete the details in the invoices, he retrieves data from the Orchid Master file to get the price for each orchid. After he printed two copies of the invoices, he sends one copy to the customer. The second copy is stapled together with the customer order slip and filed under his table – labelled as Invoice File.

Required:

- a) Prepare a context diagram for the customer booking process. (3 marks)
- b) Prepare a Level-0 DFD to document the above booking process. (10 marks)
- c) Prepare a document flowchart for the above booking process. (12 marks)

(Total: 25 marks)

Continued...

QUESTION 2

- a) If a company chooses to purchase their new accounting information system (AIS), decide which activities in the systems development life cycle (SDLC) can be omitted? Justify your choice.
(8 marks)
- b) When developers decide to use prototyping, does this mean they can omit conducting SDLC? Justify the reasoning of taking the prototype approach.
(5 marks)
- c) The data contained in the table below refers to a project that contains 13 activities. Based on the details of the activity, precedent activities and time estimates, determine the following:
- Construct an Activity on Arrow PERT diagram.
 - Identify all possible paths through the diagram, including how long each path takes.
 - Identify the critical path and how long it takes. If there is a delay in the critical path, what action should be taken?
 - What is the effect on the critical path if Activity K experiences 4 days of unplanned delays; and Activity J is able to be completed in 7 days instead of 10?

Activity	Immediate precedent	Time taken (days)
A	-	3
B	A	7
C	B	6
D	-	4
E	C, D	2
F	E	4
G	-	8
H	G	1
I	F, H	5
J	I	10
K	F, H	2
L	K	9
M	J, L	4

(12 marks)

(Total: 25 marks)**Continued...**

QUESTION 3

- a) One of the most important factors to decide whether to proceed with getting a new information system for a company is having sufficient financial source. Assume the company has no problem with financial; it does not matter whether they want to develop the system in house or outsource the project. If you are the CEO of a company, choose which approach would you decide? Justify with **THREE (3)** reasons. (12 marks)
- b) Companies that want to purchase a new system sometimes send vendors a request for proposal (RFP), asking them to propose system that meets their needs. Determine **THREE (3)** reasons why an RFP is important. (6 marks)
- c) Sometimes, a newly implemented AIS may not receive proper support from the users. These behavioural could take in the form of resisting this change. Explain **TWO (2)** reasons why this resistance occur and recommend **TWO (2)** approaches that companies can implement to reduce this resistance. (7 marks)

(Total: 25 marks)

QUESTION 4

- a) During the conceptual design phase, one of the activities involved is determining the design of the output. Outputs can fall into the categories of triggered-exception reports and demand reports. Determine **ONE (1)** similarity, **ONE (1)** difference, and **ONE (1)** example for each category. (8 marks)
- b) Selecting and training employees is part of the activities in systems implementation to get the accounting information system (AIS) up and running. Employees can be hired from outside or transferred internally and trained to use the AIS effectively. However, some companies short-cut the training process. Critique the reasons for these shortcuts and their consequences. (6 marks)
- c) Valen Co. Sdn. Bhd. has been around for the last 46 years. They have been using an information system that was developed in 1977. Most of the business processes have changed throughout the years, thus the information system has lost its significance. Although they are tight in financial means, the management has put aside some budget to convert to a new system. Based on the information provided, describe the system conversion method that would be most appropriate. Justify your answer and provide as well **ONE (1)** advantage and **ONE (1)** disadvantage of that conversion method. (11 marks)

(Total: 25 marks)

End of Page